IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A projector for use with a screen, comprising:

a projection lens having a zoom function that forms a projected image, corresponding to an image signal, on the screen;

a zoom state detection section that detects a zoom state of the projection lens; and

an uneven color correction section that performs uneven color correction on the image signal based on a detected the zoom state detected by said zoom state detection section.

2. (Previously Presented) The projector according to claim 1, the uneven color correction section including a memory in which uneven color correction data according to the zoom state is stored.

3. (Previously Presented) The projector according to claim 2, the uneven color correction section including a control circuit and an uneven color correction circuit, the memory storing and holding first and second uneven color correction data according at least to first and second zoom states, the control circuit calculating the uneven color correction data in a zoom state between the first and second zoom states based on the first and second uneven color correction data, and the uneven color correction circuit performing uneven color correction on the image signal using the calculated uneven color correction data.

4.      (Previously Presented) The projector according to claim 1, further comprising a light valve that modulates at least one of transmitted light and reflected light according to the image signal.

5.      (Currently Amended) A method of correcting uneven color of a projector that forms a projected image corresponding to an image signal on a screen by a projection lens having a zoom function, the method comprising:

detecting a zoom state of the projection lens; and

performing uneven color correction on the image signal in accordance with athe detected zoom state of the projection lens.

6.      (Currently Amended) The method of correcting uneven color of a projector according to claim 5, further comprising:

detecting the zoom state of the projection lens;

calculating uneven color correction data according to a the detected zoom state; and

performing the uneven color correction on the image signal using the calculated uneven color correction data.

7.      (Previously Presented) The method of correcting uneven color of a projector according to claim 6, the uneven color data calculation step including selecting uneven color correction data corresponding to the detected zoom state from a plurality of sets of uneven color correction data corresponding to previously stored and held zoom states.